

May 5, 2003
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Serial No.: 10/084,709
Filed: February 25, 2002
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AMENDMENTS TO THE CLAIMS

Claims 1-11 are currently pending in the application.

Please cancel claims 1-11 as shown below without prejudice or disclaimer to the subject matter of claims 1-1.

Please add new claims 12-30 as shown below.

This listing of claims 1-30 will replace all prior versions, and listings, of claims in the application:

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1.-11. (Cancelled)

12. (New) An antenna arrangement, comprising:

a planar patch conductor including a slot asymmetrically dividing said planar patch conductor into a first section and a second section, said first section being larger than said second section;

a1 a first radio circuit connected to said first section at a feed connection point; and

a second radio circuit connected to said second section at a ground connection point, wherein said second radio circuit includes at least one of a switch and a passive circuit for operating said antenna arrangement in a plurality of modes.

13. (New) The antenna arrangement of claim 12, wherein said slot is between said feed connection point and said ground connection point.

14. (New) An antenna arrangement, comprising:

a planar patch conductor including a first slot dividing said planar patch conductor into a first section and a second section;

a first radio circuit connected to said first section at a feed connection point;

a second radio circuit connected to said first section at a first ground connection point; and

a third radio circuit connected to said second section at a second ground connection point.

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15. (New) The antenna arrangement of claim 14, wherein said first slot asymmetrically divides said planar patch conductor.

16. (New) The antenna arrangement of claim 15, where said first section is smaller than said second section.

17. (New) The antenna arrangement of claim 14, wherein said second radio circuit includes at least one of a switch and a passive circuit for operating said antenna arrangement in a plurality of modes.

18. (New) The antenna arrangement of claim 14, wherein said third radio circuit includes at least one of a switch and a passive circuit for operating said antenna arrangement in a plurality of modes.

19. (New) The antenna arrangement of claim 14, wherein said first slot is between the first ground connection point and the second ground connection point.

20. (New) The antenna arrangement of claim 14,
wherein said planar patch conductor further includes a second slot dividing said first section into a third section having the feed connection point and a fourth section having the first ground connection point.

21. (New) The antenna arrangement of claim 20, wherein said second slot is between the feed connection point and the first ground connection point.

22. (New) An antenna arrangement, comprising:
a planar patch conductor including a first slot dividing said planar patch conductor into a first section and a second section;
a first radio circuit connected to said first section at a first feed connection point;

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a second radio circuit connected to said first section at a ground connection point; and

a third radio circuit connected to said second section at a second feed connection point.

23. (New) The antenna arrangement of claim 22, wherein said first slot asymmetrically divides said planar patch conductor.

24. (New) The antenna arrangement of claim 23, where said first section is smaller than said second section.

25. (New) The antenna arrangement of claim 22, wherein said first radio circuit includes a first filter.

26. (New) The antenna arrangement of claim 25, wherein said third radio circuit includes a second filter.

27. (New) The antenna arrangement of claim 22,
wherein said first radio circuit includes a high-pass filter; and
wherein said third radio circuit includes a low-pass filter.

28. (New) The antenna arrangement of claim 22, wherein said first slot is between the first feed connection point and the second feed connection point.

29. (New) The antenna arrangement of claim 22,
wherein said planar patch conductor further includes a second slot dividing said first section into a third section having the first feed connection point and a fourth section having the ground connection point.

30. (New) The antenna arrangement of claim 29, wherein said second slot is between the first feed connection point and the ground connection point.